

ABSTRACT OF THE DISCLOSURE

In a laser light multiplexing apparatus: a collimating optical system collimates light beams emitted from semiconductor lasers so that the slow axes of the light beams become coplanar, 5 and optical axes of the light beams become parallel to each other; a light beam rearrangement optical system constituted by prisms respectively arranged in correspondence with the light beams rearranges the light beams in such a manner that directions of the fast axes of the light beams are changed at different locations 10 along a direction in which the light beams propagate, and the fast axes of the light beams become coplanar; and a convergence optical system converges a bundle of the light beams rearranged by the light beam rearrangement optical system, in directions of the fast axes and the slow axes of the light beams, and makes the converged 15 bundle of the light beams enter an optical fiber.